

Fig. 1

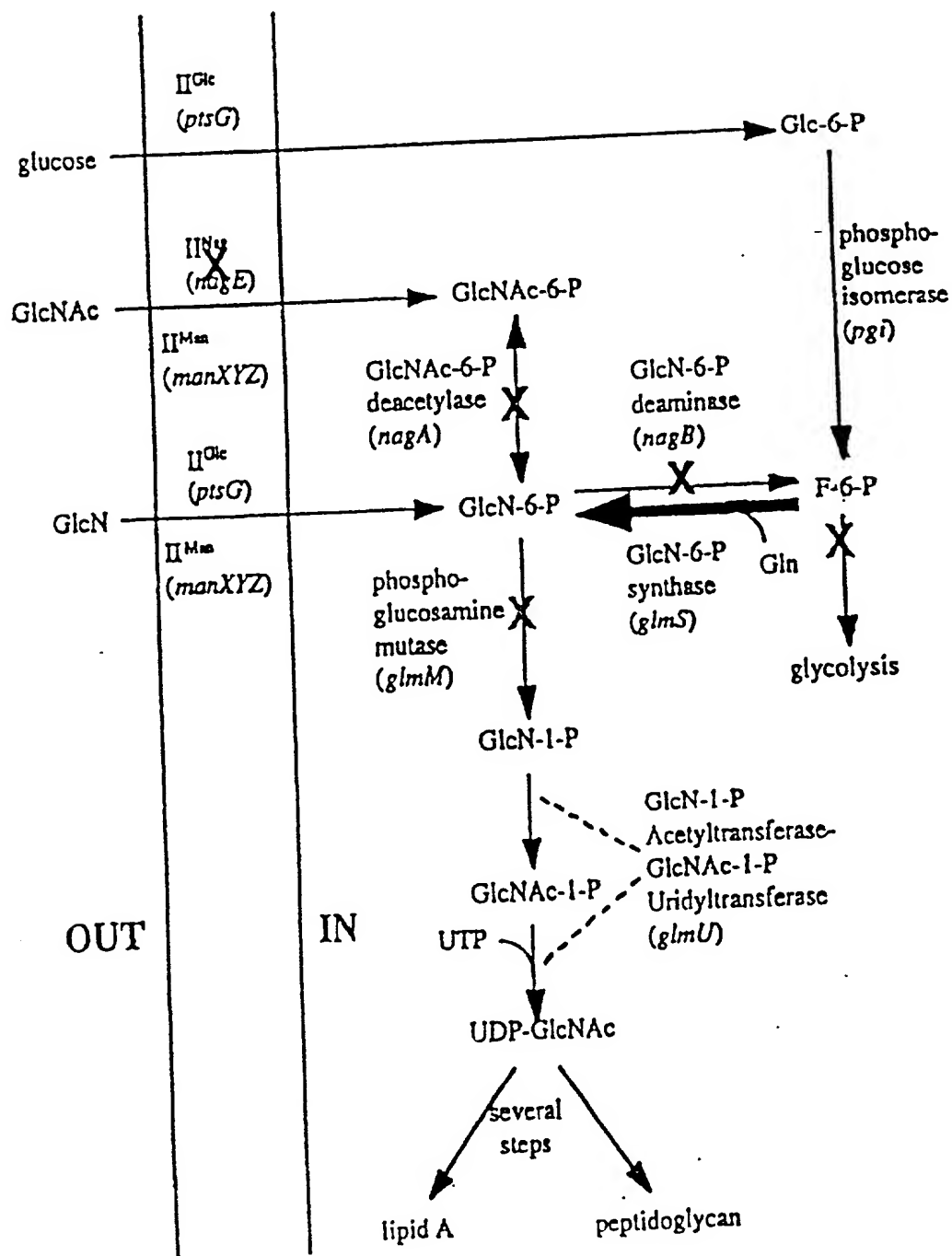


Fig. 2

# Strain Construction Scheme

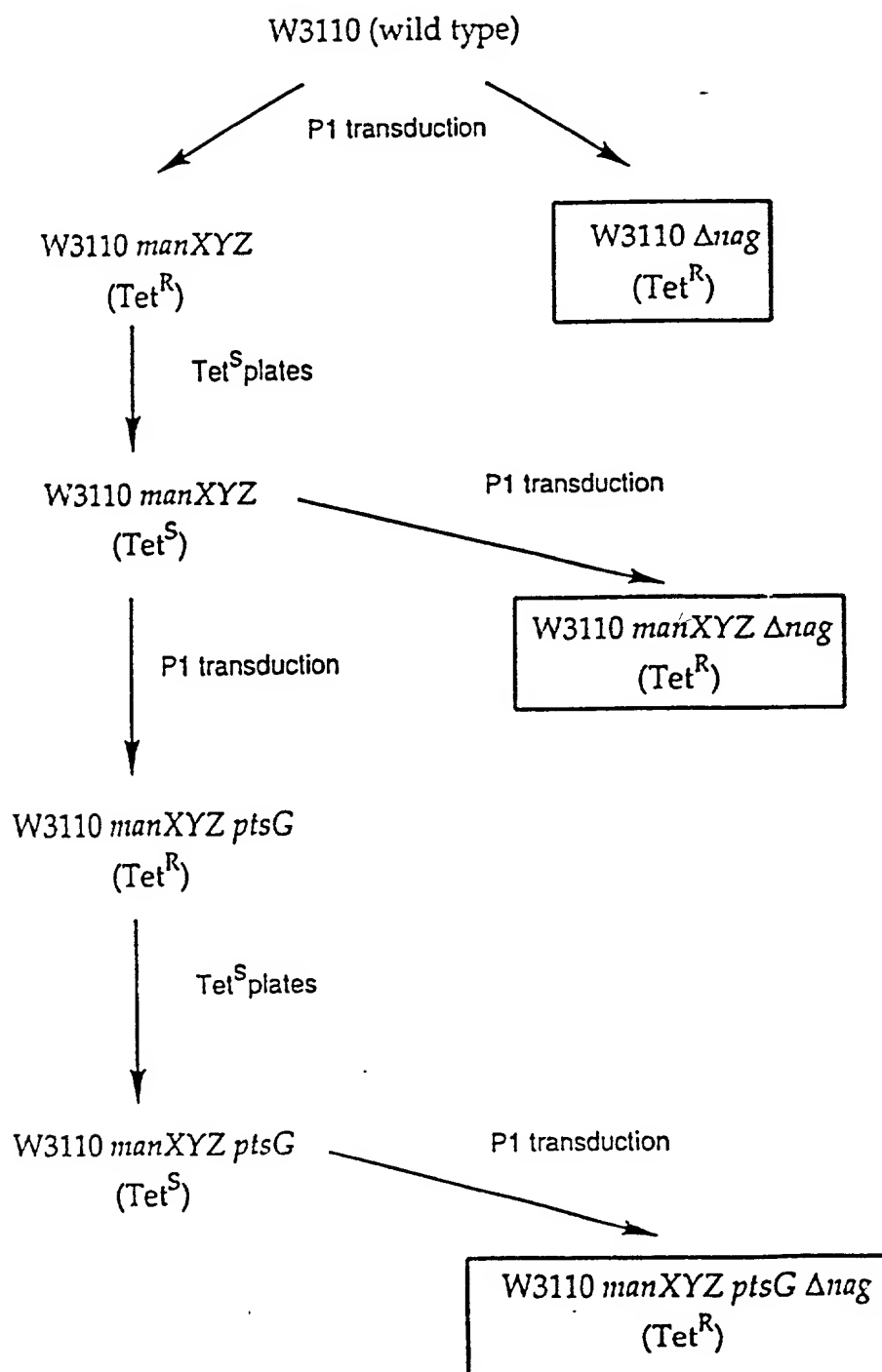


Fig. 3

# Effects of Initial Glucose Concentrations and Glucose Feeds on Glucosamine Production

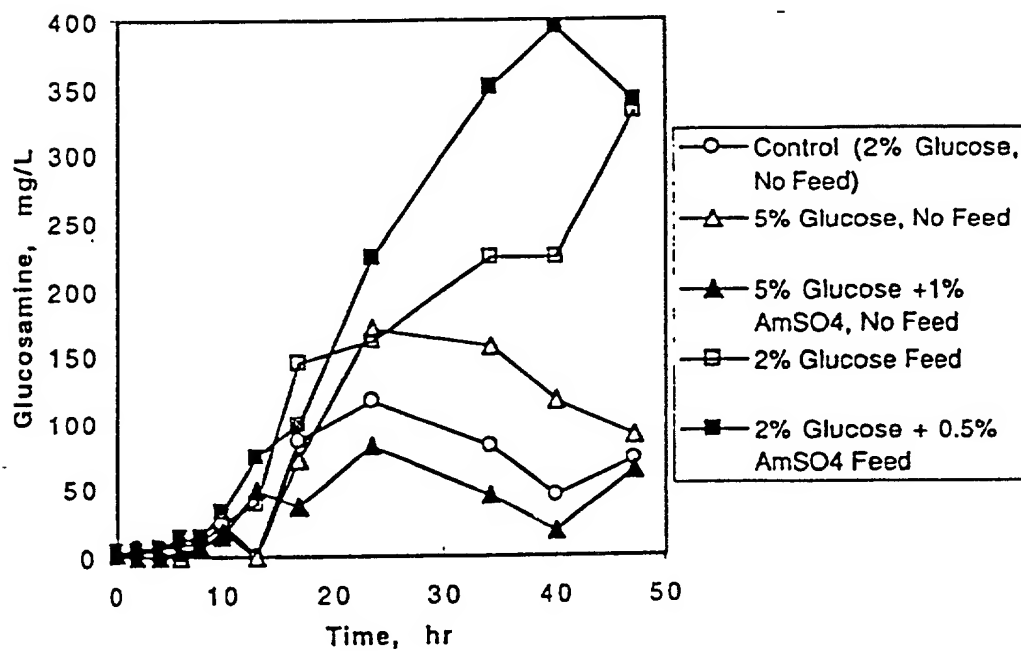


Fig. 4

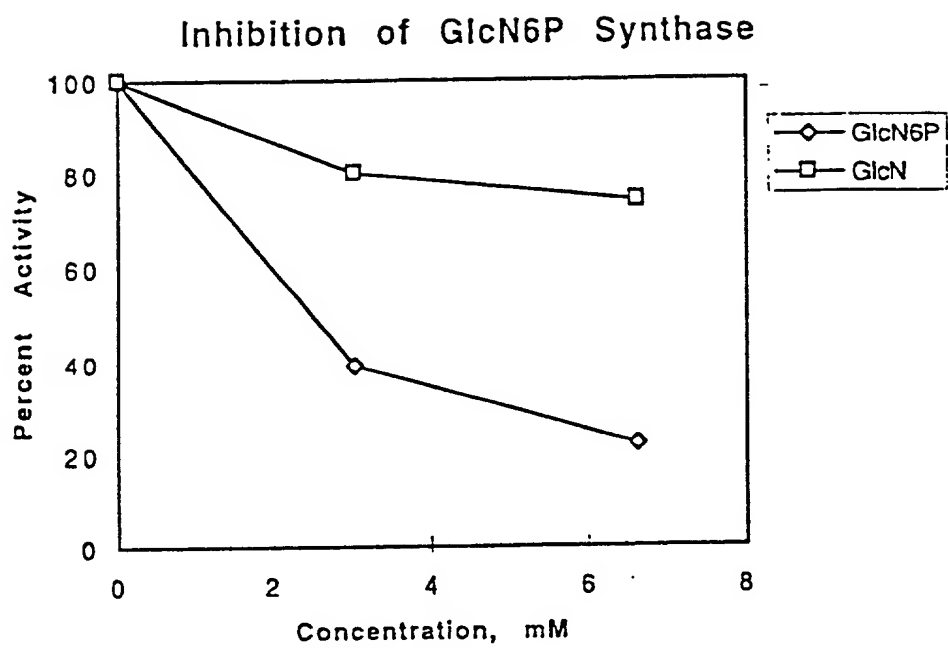


Fig. 5

Product Inhibition of Glucosamine 6-phosphate Synthase in Mutant *glmS* Clones

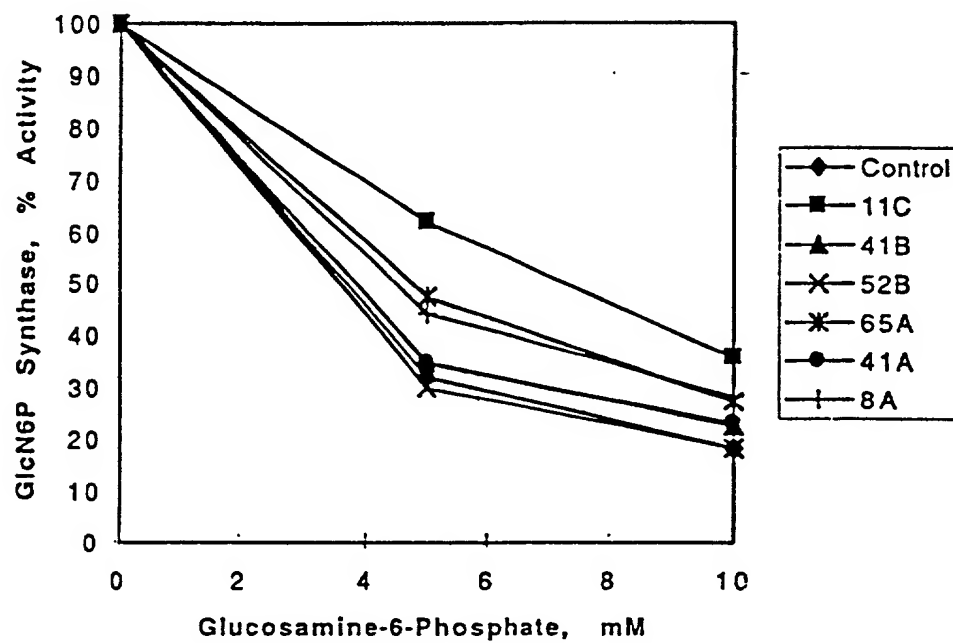


Fig. 6

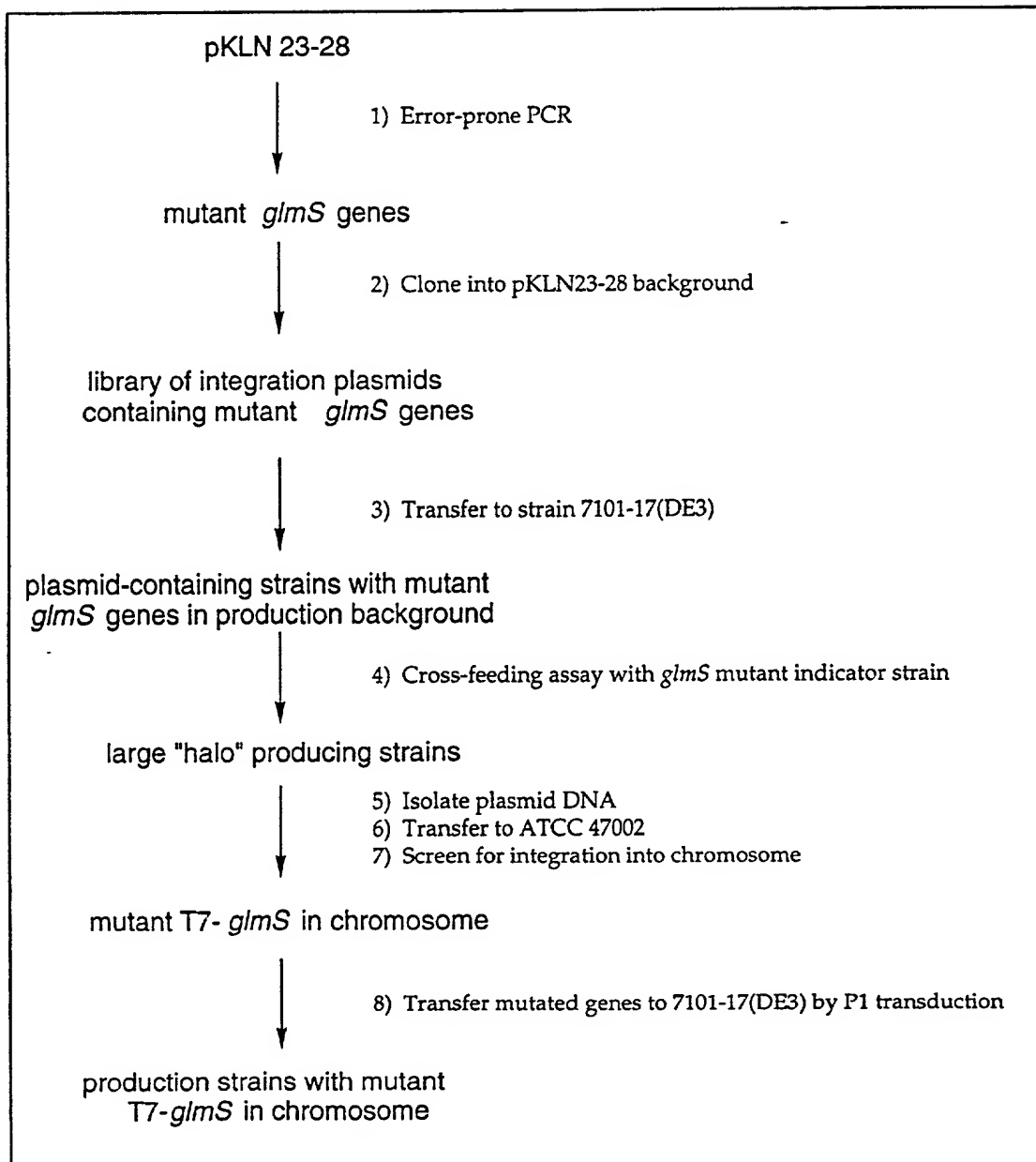


Fig. 7

Product Inhibition of Glucosamine 6-phosphate Synthase in Strains with Integrated Mutant *glmS* Genes

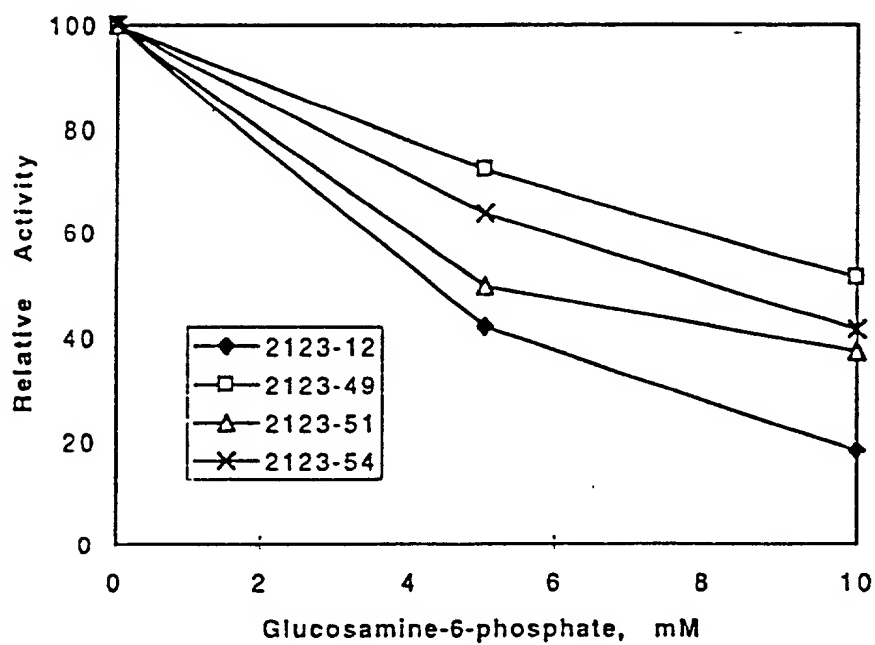


Fig. 8



# Glucosamine Production in Strains with Integrated Mutant *glmS* Genes

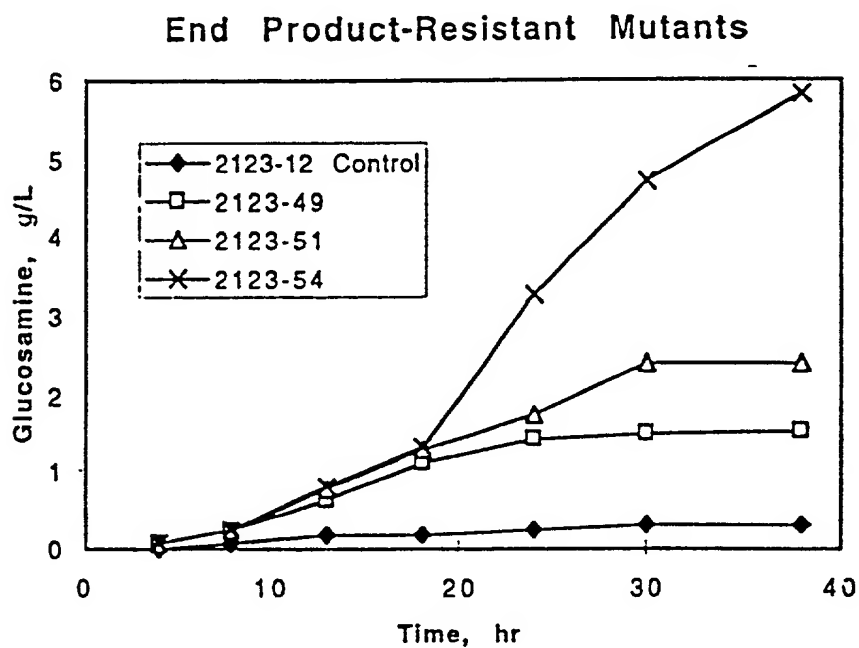


Fig. 9

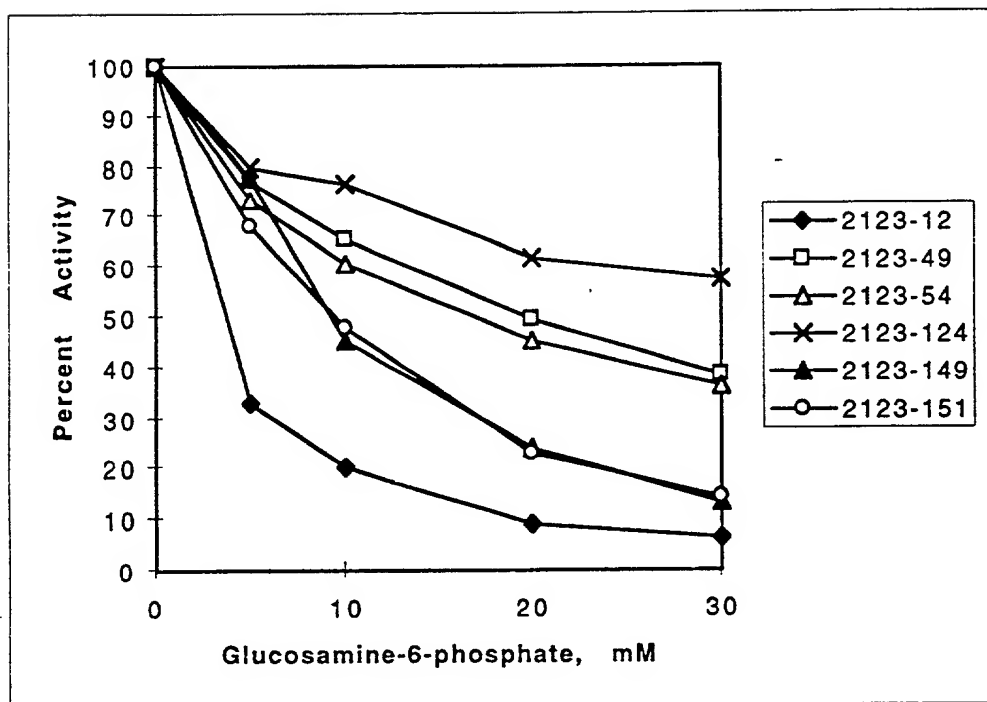


Fig. 10

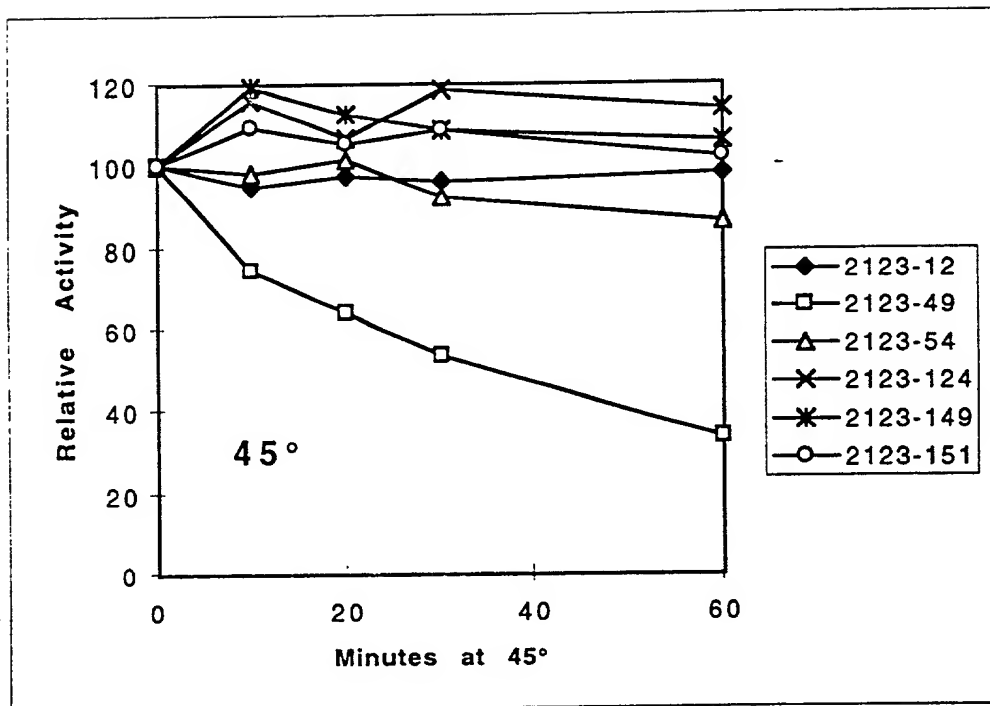


Fig. 11A

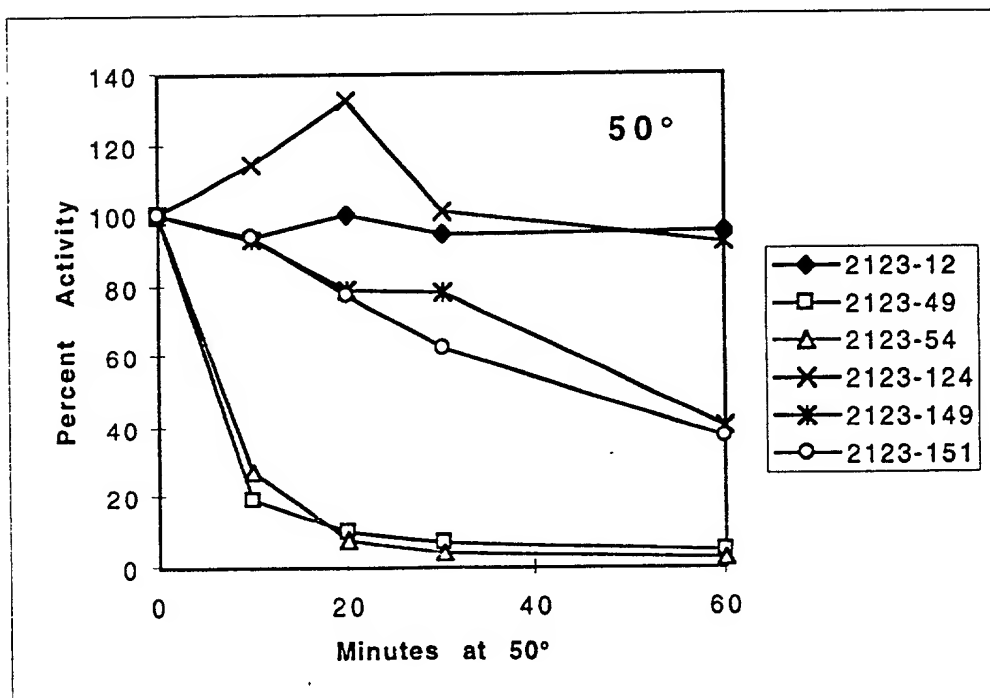


Fig. 11B

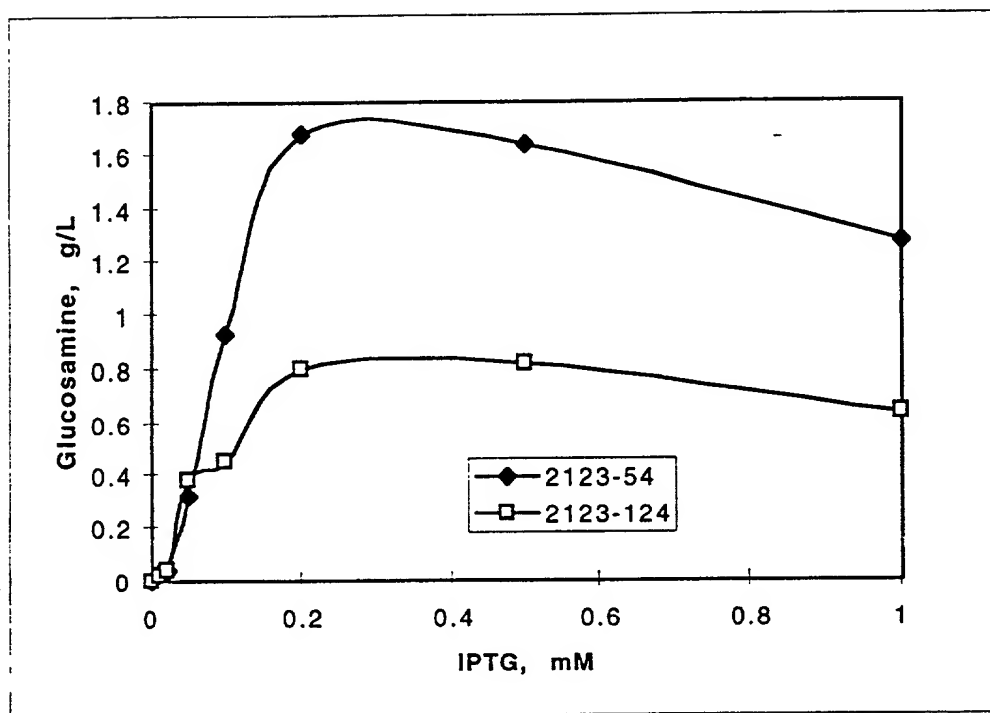


Fig. 12

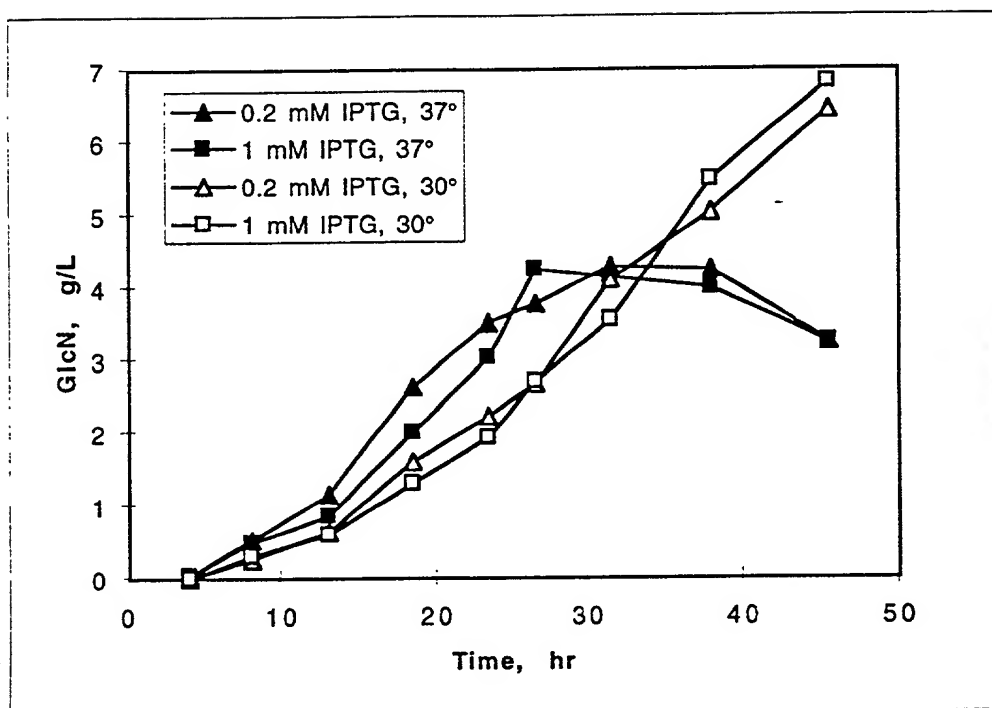


Fig. 13

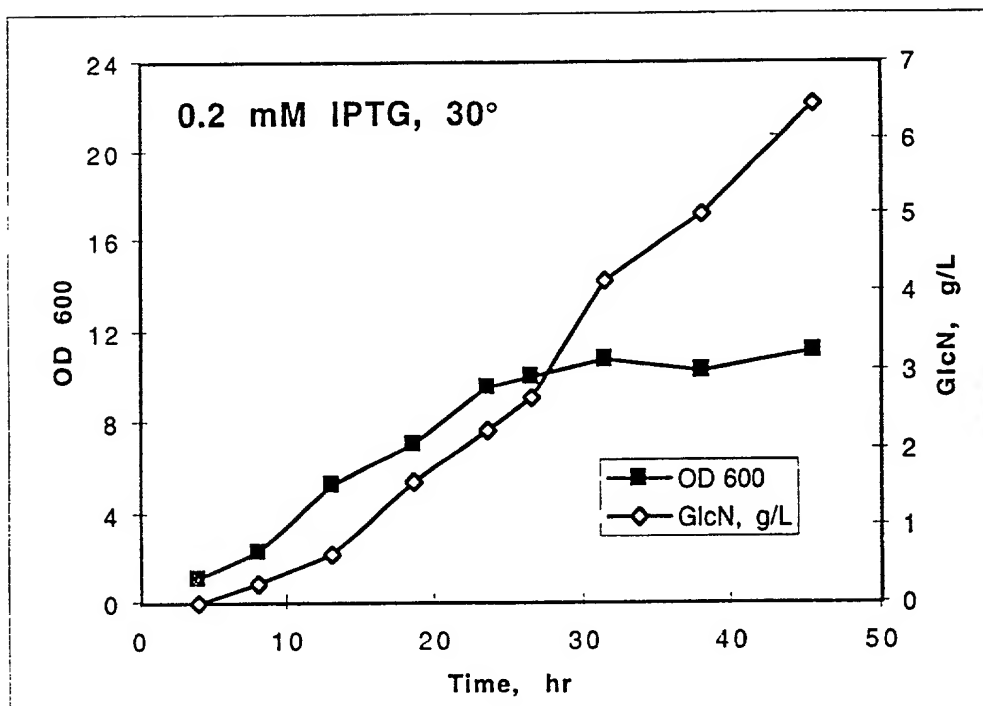


Fig. 14A

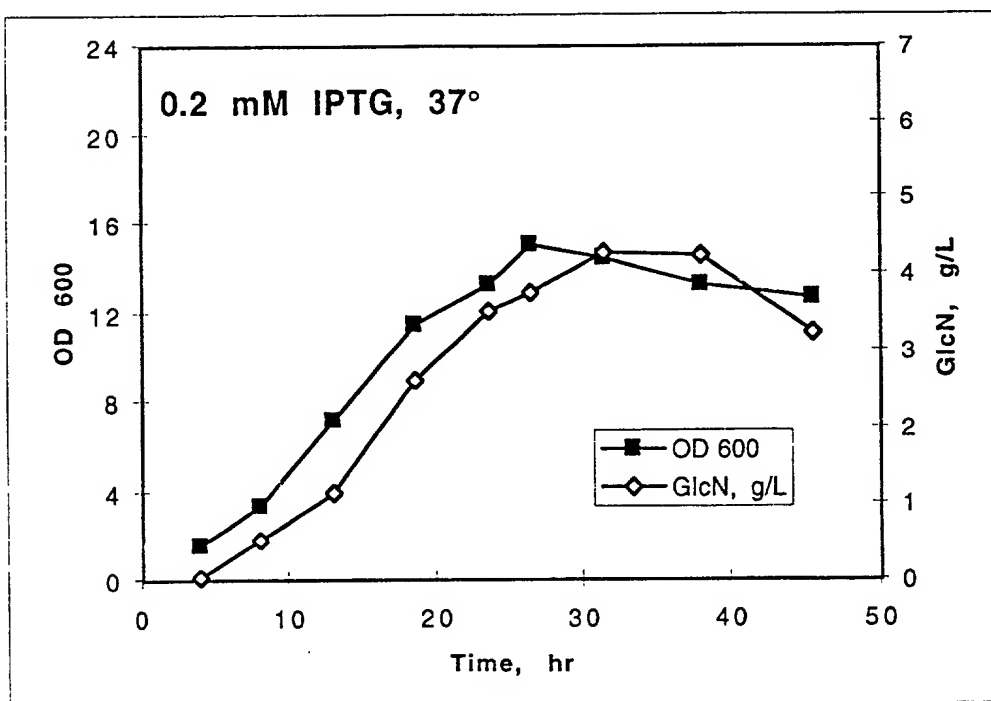


Fig. 14B

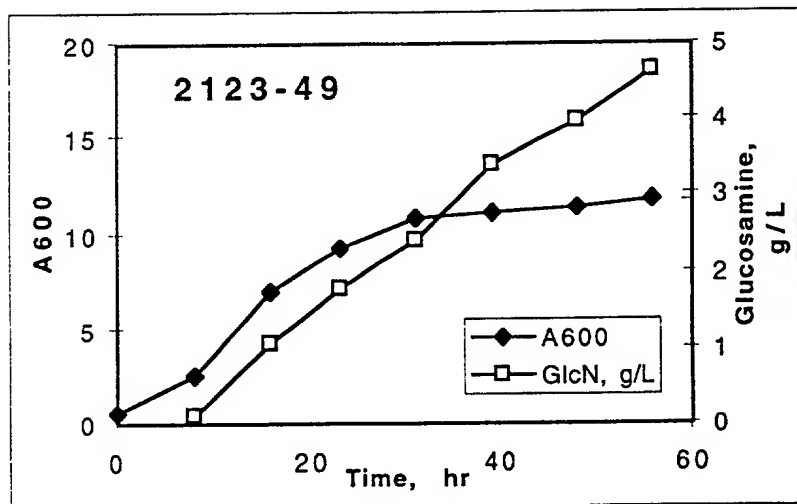


Fig. 15A

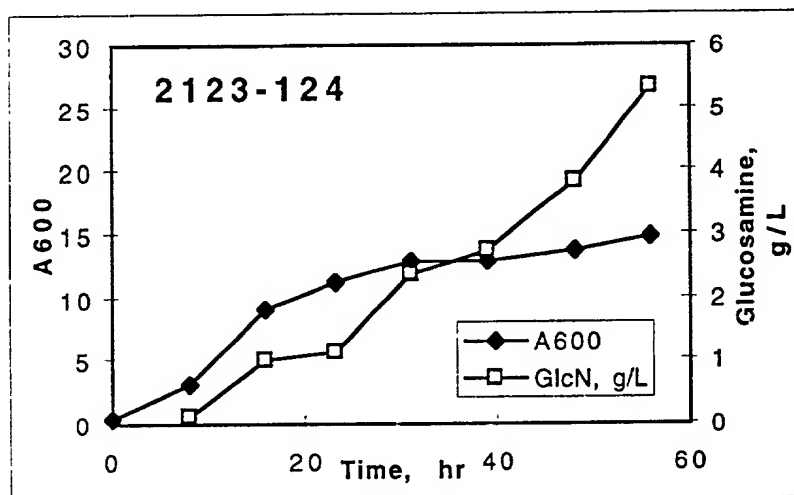


Fig. 15B

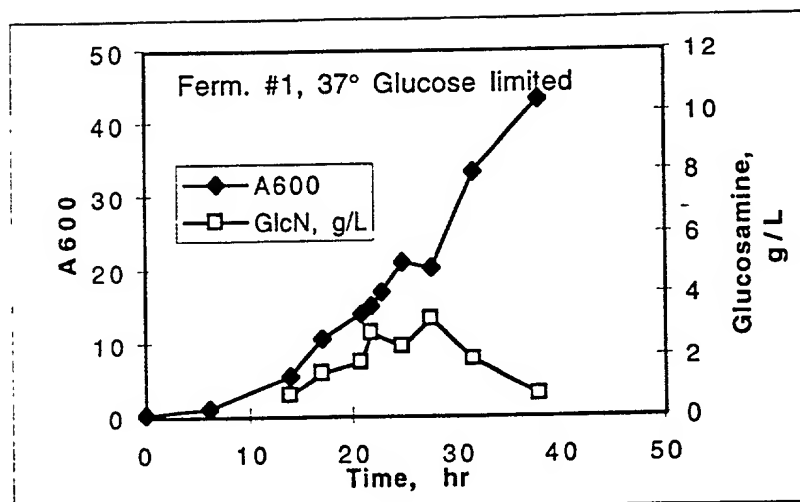


Fig. 16A

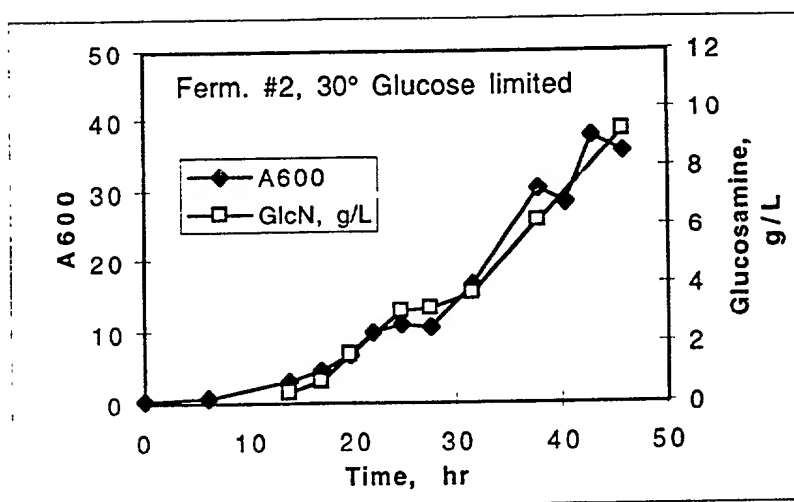


Fig. 16B

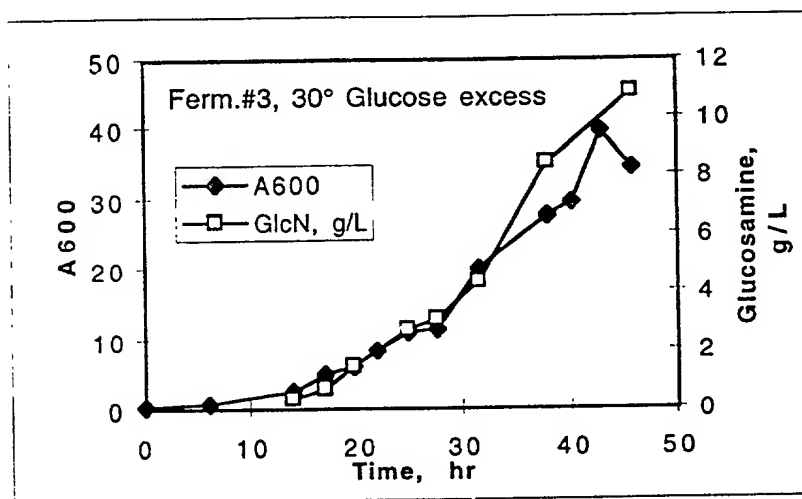


Fig. 16C